



Consolidated Annual Report 2010

July 1, 2009 - June 30, 2010

ND STATE BOARD FOR CAREER AND TECHNICAL EDUCATION

WAYNE KUTZER

STATE DIRECTOR AND EXECUTIVE OFFICER

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NORTH DAKOTA STATE BOARD FOR CAREER AND TECHNICAL EDUCATION

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It is the policy of the North Dakota State Board for Career and Technical Education not to discriminate in its educational programs, activities, or employment policies as required by Final Regulation implementing Title IX of the 1972 Education Amendments, Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973.

The Board policy does not advocate, permit, nor practice discrimination on the basis of sex, race, color, national origin, religion, age, or disability as required by various state and federal laws. Equal education opportunity is a priority of the North Dakota State Board for Career and Technical Education.

FOREWARD

This performance report is for program year 2010 (July 1, 2009 - June 30, 2010) on the accomplishments and benefits to individuals in North Dakota as a result of the Carl D. Perkins Career and Technology Education Act of 2006, PL. 109-270. This report reflects direct accomplishments as a result of federal funds and does not include the total state and local effort by North Dakota.

This report is submitted under the Carl D. Perkins Act and is designed to inform individuals, report activities and to record successes in career and technical education. It is to provide direction for future programs and activities in the state.

This report follows a prescribed format as outlined by the United States Office of Education. The report will be submitted in the format identified and as part of the (CAR) Consolidated Annual Performance, Enrollment, Accountability and Financial Status Report. Additional data has been included to fully describe the essence of each activity or program.

**Carl D. Perkins Act of 2006
Consolidated Annual Report
State of North Dakota
Program Year 2010
Narrative**

I. Program Administration [Section 122 (c)]

a. Report on State Administration (roles/responsibility)

The governing board is the State Board for Career and Technical Education and the agency is named the Department of Career and Technical Education. Mr. Wayne Kutzer serves as the State Director and Executive Officer for the State Board. The State Board provides the State Plan oversight and fulfills reporting responsibilities.

The State Board for Career and Technical Education is responsible for administering career and technical education in North Dakota as administered under Public Law 105-332. Reference to the “State Board” throughout this narrative refers to this official board. The State Board consists of nine members, six of who are appointed by the Governor from each of the six judicial districts across the state. The other members are prescribed by state statute. They are the elected Superintendent of Public Instruction, the appointed Chancellor of Higher Education, and the appointed Executive Director of Job Service North Dakota.

The State Board does not conduct career and technical education programs. It works with public school districts, Bureau of Indian Affairs schools, tribally controlled colleges, state colleges, and other agencies that conduct career and technical education programs. The State Board’s responsibilities include assistance in planning, assisting curriculum development and implementation, and evaluating CTE programs at the secondary and postsecondary level.

The State Board is responsible for the administration of programs, federal and state legislation and the administration of funding made available from Congress and the state. Career and technical education is a program of instruction designed to prepare individuals with the skills to continue in further education and/or the world of work, in high quality programs requiring less than a baccalaureate degree.

A sound career and technical education program must be concerned with the academic and technical skills of students upon completion of the offering. The program must also recognize the needs of the individual for more than job-entry skills. Compatible skills of math, science, communication, decision-making, learning to learn, personal and occupational responsibility, educating students in all aspects of industry, and linking secondary and postsecondary are equally important and equally within the purview of career and technical education. These “true salable skills” and the individual’s capacity to transfer them regularly and usefully to their work and life needs, require career and technical education to emphasize the total education of the individual.

The uniqueness of career and technical education, then, is in its capacity to not only prepare for further education or work, but to enable individuals to develop the human “transformation and coping skills” which are essential to occupational mobility and personal success over the long term of a working life.

b. Report on State Leadership [Section 124]

Administration is responsible for the development and implementation of the State Plan. The North Dakota Plan was submitted on April 1, 2008 and was approved by OVAE. This plan described the programs that would be carried out, the criteria that would be used in approving applications, how the programs would prepare students for opportunities, and how funds would be used to develop new career and technical education courses.

Secondary/Postsecondary State Leadership Activities

Required Program Indicators	Activities
1. Assessment of Career and Technical Education	<ul style="list-style-type: none">• Five year rotation cycle/ five categories• Online program questionnaire/evaluation system to evaluate the alignment of program delivery with Program Standards for Career and Technical Education. www.nd.gov/cte/services/program-eval• Online statewide accountability system http://www.nd.gov/cte/services/accountability/• Online survey of Team Evaluation process• On-site Team Evaluation• Technical Assistance• State Board Policy for Enrollment/Accountability Data
2. Developing, improving and expanding the use of technology in career and technical education	<ul style="list-style-type: none">• Professional Development Conference www.nd.gov/cte/pdc/• Virtual Area Career and Technical Centers• Teaching and Technology Conference (TNT)• Funding for delivery of CTE courses via distance learning• Funding of facilitators for online delivery
3. Professional Development	<ul style="list-style-type: none">• Professional Development Conference www.nd.gov/cte/pdc/• Online coursework• Transition to Teaching Program http://www.nd.gov/cte/teacher-cert/transition-to-teaching.html• Teacher training opportunities by service areas
4. Improve Academic and Career and Technical Skills	<ul style="list-style-type: none">• Applied academics• Standards and Curriculum Development• Standards alignment with CTE and Academics• Curriculum Enrichment• Understanding By Design (UBD) implementation cross curricular• Dual Credit• Industry Certification• National Standards implemented into service areas• North Dakota P-20 Educational Task Force• Math in CTE Project• Science in CTE Project
5. Non-Traditional Training	<ul style="list-style-type: none">• Incorporation of Accountability Data• Mini-grants: targeting nontraditional careers• Non-traditional Career Fairs• Private Industry Partnerships• Website development• Title IX Workshops• http://www.nd.gov/cte/services/special-pops/equity/nontrad.html

6. Supporting Partnerships	<ul style="list-style-type: none"> • Articulation agreements • Job Service • North Dakota University System • ND Association of General Contractors (AGC) • Bank of North Dakota • ND Information Technology Council • ND Career Resource Network - http://www.nd.gov/cte/crn • Workforce Development Council (WIA) • Youth Development Council • State Commission on Community Service
7. State Institutions Correctional Facilities	<ul style="list-style-type: none"> • Technical Assistance • Family and Consumer Sciences Programs • Technology Education Programs • Trade, Industry, Technical and Health Programs
8. Special Populations	<ul style="list-style-type: none"> • Tutoring Programs • Basic Skills Programs • Career and Technical Resource Educators • http://www.nd.gov/cte/services/special-pops/
9. Technical Assistance	<ul style="list-style-type: none"> • www.nd.gov/cte • Secondary/Postsecondary • Program Evaluation-Five year rotation • Single and Multi District Consortiums
Permissible Indicators	Activities
1. Improvement of Career Guidance	<ul style="list-style-type: none"> • http://www.nd.gov/cte/programs/career-dev/ • ND Career Resource Network –http://www.nd.gov/crn • Career Resource Coordinators • Adoption of 16 Career Clusters • Designed Career Cluster course work • Developed Programs of Study and associated Plans of Study • Career Advisors
2. Establishment of Agreement Between Secondary and Postsecondary	<ul style="list-style-type: none"> • Articulation Agreements • ITCND Career Awareness and Coordination Project • CISCO • NATEF • NCCER • Health Careers/HIPPA Certification • OSHA Safety Training
3. Cooperative Education	<ul style="list-style-type: none"> • Component of all Career and Technical Education Programs
4. Student Organizations	<ul style="list-style-type: none"> • State CTSO advisors are agency staff • CTSO Statewide Leadership Conference • Support common statewide fiscal system • Program Standards • http://www.nd.gov/cte/students/ctso.html
5. Support for Family and Consumer Sciences	<ul style="list-style-type: none"> • http://www.nd.gov/cte/programs/family-consumer-sciences/

6. New Career and Technical Education Courses	<ul style="list-style-type: none"> • Information Technology • Career Clusters courses • Summer Academies • Teacher training for new coursework • Website- www.nd.gov/cte • Electronics using online curriculum • Virtual delivery of CTE – online, ITV, Area Centers
7. Recruitment and Retention of Teachers	<ul style="list-style-type: none"> • Transition to Teaching • Postsecondary Clinical Practice
8. Developing and Enhancing Data Systems	<ul style="list-style-type: none"> • STARS • SLDS • FINDET
9. Supporting Occupational and Information Resources	<ul style="list-style-type: none"> • CRN • RUReadyND – Online Career Planning • Bank of North Dakota
10. Valid and Reliable Technical Assessments	<ul style="list-style-type: none"> • MBA Research Center • Family and Consumer Sciences • SkillsUSA

c. Implications for Program Year 2010

Implications for program year 2010 reflect continued priority issues around data including Perkins IV data related training:

- Focus on identifying and aligning standards in all CTE program areas, with emphasis on aligning academic standards in CTE instructional programs.
- Continued improvement for the data system that is in place, additional focus must be made to increase communication and training on complete, accurate, valid, and reliable data collection at the secondary and postsecondary level.
- Both secondary and postsecondary Perkins IV recipients need continual training related to core indicators, stating goals, identification of appropriate strategies and measuring outcomes.
- Reassessment of secondary and postsecondary core indicator performance measures.
- New local Carl Perkins coordinators/administrators must be provided with orientation and training sessions.
- Focus major training efforts on core indicators at spring and fall conferences.
- Implement and refine the new postsecondary data system connecting to data collected on students of the North Dakota University System using the newly implemented ConnectND statewide data system, while still taking into account the data systems in place at the state tribal colleges. Explore additional data linkages between secondary and postsecondary to follow up on placement of secondary exiting concentrators in higher education.
- Work with the Department of Public Instruction and local school administrators to integrate data collection systems by connecting local data entered into Power School with the Department of Public Instruction's State Automated Reporting System (STARS) of which CTE's data collection is now an integral part.
- Provide an alternative or interim method to assist postsecondary recipients with data collection for Limited English Proficiency, Single Parent, and Displaced Homemakers, which are not a "standard" admissions item, but is included in our data system and required for Perkins IV.
- The State has funded the development of a State Longitudinal Data System (SLDS) to exchange data reports among agencies. This system is in the process of development of a reporting system that will improve Perkins accountability reporting. This system will supplement or replace a quality follow-up system using administrative records exchange and FINDET (Follow up Information on North Dakota Education and Training).

II. Progress in Developing and Implementing Technical Skills Assessments

For the current year of reporting, students technical skills assessment measure is based on them performing in career and technical classes at a “C” level.

NDCTE has established guidelines for developing and implementing Technical Skills Assessments:

- Assessments will be given in Spring of program completion year i.e. capstone
 - Three week window as designated by program area
- Concentrators who have completed an identified program of study will take the assessment
 - (others may take the assessment but we will collect information on the “end of program” concentrators)
 - Determination made by enrollment in a particular (capstone) course
- Program of study to be defined by each program area as a particular sequence of courses (a pathway) i.e. FACS may designate 3 pathways
- Assessments will be:
 - Based on content standards
 - online and provide immediate feedback
 - optimally one period in length
- Set level of proficiency for each assessment

The Department of Career and Technical Education has finished pilot testing and will have ready during the 2010-11 program year an assessment in Marketing using materials and resources developed in conjunction with MBA Research Center based on industry validation. NDCTE is also participating with the national Family and Consumer Sciences association to develop assessments.

The Trade, Industry, and Health program area through SkillsUSA will implement assessments in the areas of Automotive Collision, Automotive Technology, Automated Manufacturing, and Welding Technology, during school year 2009-10. Field-testing is being performed in the areas of Culinary Arts, Electronics Technology, Health Careers, and Recreational Engines anticipated to be used in the 2010-11 school year. Adoption of further assessments is planned as soon as the assessments are made available. NDCTE secured through the legislative process funds to defray the costs of skills assessments effective July 1, 2009.

In the area of Information Technology, SkillUSA technical assessments will be used.

Timelines for development and implementation of assessments in all program areas have been developed with all areas where appropriate and available to be in place by the final year of the Carl D. Perkins Act of 2006.

III. Program Performance

Secondary/Postsecondary

The Department of Career and Technical Education administers Perkins IV implementation at the secondary and postsecondary level and state-funded career and technical education programs.

The Department of Career and Technical Education is responsible for serving as liaison for local Perkins recipients, providing technical assistance in the planning, administration and implementation of local plans. Local Education Agencies have the direct implementation functions for Perkins. This is a dual role, with responsibilities for Perkins IV State Leadership in the specific programmatic areas: <http://www.nd.gov/cte/>

Agriculture Education	Business & Office Technology	Career Development
Curriculum Development	Diversified Occupations	Education Equity
Family & Consumer Sciences	Information Technology	Marketing Education
Non-Traditional Training	Special Populations	Technology Education
Trade, Industry & Health		

To measure student performance and program effectiveness, student populations are defined as follows:

Secondary Level

Participant - A secondary student who has completed one (1) or more course(s) in any career and technical education (CTE) program area.

Concentrators- A secondary student who has earned two (2) or more credits in a single CTE program area (e.g., health care or business services) recognized by the State.

Postsecondary/Adult Level

Participant: A postsecondary/adult student who has earned one (1) or more credits in any CTE program area.

Concentrators – A postsecondary/adult student who: (1) completes at least 12 academic or CTE credits within a single program area sequence that is comprised of 12 or more academic and technical credits and terminates in the award of an industry-recognized credential, a certificate, or a degree; or (2) completes a short-term CTE program sequence of less than 12 credit units that terminates in an industry-recognized credential, a certificate, or a degree.

Participants for the table below are determined by taking a one year “snapshot” of students taking at least one course during the program year for both secondary and postsecondary enrollment.

Enrollment of CTE Participants

Population	Number of Secondary Students	Number of Postsecondary Students
GRAND TOTAL	21323	9430
GENDER		
Male	11531	4477
Female	9792	4953
RACE/ETHNICITY*	(1977 Standards)	(1997 Standards)
American Indian or Alaskan Native	1734	966
Asian	210	668
Black or African American	418	193
Hispanic/Latino	360	112
Native Hawaiian or Other Pacific Islander	0	188
White	18592	6799
Two or More Races	0	55
Unknown	9	447
SPECIAL POPULATION AND OTHER STUDENT CATEGORIES		
Individuals With Disabilities (ADA)	0	104
Disability Status (ESEA/IDEA) (Secondary Only)	3380	0
Economically Disadvantaged	6471	3026
Single Parents	N/P	358
Displaced Homemakers	0	403
Limited English Proficient	690	256
Migrant Status	0	0
Nontraditional Enrollees	8930	3226

Enrollment for Career and Technical Education is identified by the “Career Clusters”

1 - Ag/Natural Resources	7 - Government/Public Admin.	13 - Manufacturing
2 - Architecture/Construction	8 - Health Science	14 - Marketing Sales & Service
3 - Arts/Audio Video Tech/Comm.	9 - Hospitality/Tourism	15 - Science, Technology, Engineering & Mathematics
4 - Business/Administration	10 - Human Services	16 - Transportation, Distribution, & Logistics
5 - Education/Training	11 - Information Technology	
6 – Finance	12 - Law/Public Safety & Security	

Enrollment of CTE Concentrators

Population	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total
SECONDARY																	
Male	1685	457	19	159	1	0	0	60	16	130	107	0	189	127	134	551	3635
Female	400	49	43	170	69	0	0	299	22	723	30	0	5	131	10	56	2007
Total	2085	506	62	329	70	0	0	359	38	853	137	0	194	258	144	607	5642
POSTSECONDARY																	
Male	281	345	18	224	36	0	4	145	23	3	263	150	1374	28	103	314	3311
Female	45	8	33	475	198	0	66	1453	20	36	123	89	160	23	24	11	2764
Total	326	353	51	699	234	0	70	1598	43	39	386	239	1534	51	127	325	6075
GRAND TOTAL	2411	859	113	1028	304	0	70	1957	81	892	523	239	1728	309	271	932	11717

a. State Performance Summary

Listed are the statewide percentages and adjusted performance levels agreed upon by the State and the Office of Vocational and Adult Education of the U.S. Department of Education. The adjusted performance levels are incorporated into the State Plan as a condition of approval pursuant to section 113(b)(3)(A)(v) of the Carl D. Perkins Career and Technical Education Act of 2006, 20 U.S.C. 2301 et seq., as amended by Public Law 109-270.

For the tables below, concentrators are reported based on the definitions of concentrators described above, but the methodology differs. For secondary, the concentrators are measured as a cohort with exiting seniors reported as CTE concentrators. For postsecondary, the concentrators are not treated as a cohort, but the numbers are a reflection of the postsecondary students meeting the concentrator definition and actively enrolled in a CTE postsecondary program within the reporting year.

Secondary Performance Levels

During program year 2010, eight measures are required as indicated in the table below.

Indicator & Citation	Measurement Definition	Adjusted Level of Performance	Actual Level of Performance	Actual vs. Adjusted Level of Performance	Met 90% of Adjusted Level of Performance
1S1 Academic Attainment – Reading/Language Arts 113(b)(2)(A)(i)	<p>Numerator: Number of CTE concentrators who have met the proficient or advanced level on the Statewide high school reading/language arts assessment administered by the State under Section 1111(b)(3) of the Elementary and Secondary Education Act (ESEA) as amended by the No Child Left Behind Act based on the scores that were included in the State's computation of adequate yearly progress (AYP) and who, in the reporting year, left secondary education. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who took the ESEA assessments in reading/language arts whose scores were included in the State's computation of AYP and who, in the reporting year, left secondary education. (AY: 10-11, 09-10, 08-09, 07-08)</p>	63.00 %	62.32% 1,705/2,736	-0.68%	Yes
1S2 Academic Attainment - Mathematics 113(b)(2)(A)(i)	<p>Numerator: Number of CTE concentrators who have met the proficient or advanced level on the Statewide high school mathematics assessment administered by the State under Section 1111(b)(3) of the Elementary and Secondary Education Act (ESEA) as amended by the No Child Left Behind Act based on the scores that were included in the State's computation of adequate yearly progress (AYP) and who, in the reporting year, left secondary education. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who took the ESEA assessments in mathematics whose scores were included in the State's computation of AYP and who, in the reporting year, left secondary education. (AY: 10-11, 09-10, 08-09, 07-08)</p>	49.00 %	52.76% 1,425/2,701	+3.76%	Yes
2S1 Technical Skill Attainment	<p>Numerator: Number of CTE concentrators who passes technical skills assessments that are aligned with industry-recognized standards, if available and appropriate, during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who took the assessments during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	79.00 %	87.23% 2,466/2,827	+8.23%	Yes

Indicator & Citation	Measurement Definition	Adjusted Level of Performance	Actual Level of Performance	Actual vs. Adjusted Level of Performance	Met 90% of Adjusted Level of Performance
3S1 School Completion	<p>Numerator: Number of CTE concentrators who earned a regular secondary school diploma, earned a General Education Development (GED) credential as a State-recognized equivalent to a regular high school diploma (if offered by the State) or other State-recognized equivalent (including recognized alternative standards for individuals with disabilities), or earned a proficiency credential, certificate, or degree, in conjunction with a secondary school diploma (if offered by the State) during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who left secondary education during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	89.00 %	96.41% 2,743/2,845	+7.41%	Yes
4S1 Student Graduation Rates 113(b)(2)(A)(iv)	<p>Numerator: Number of CTE concentrators who, in the reporting year, were included as graduated in the State's computation of its graduation rate as described in Section 1111(b)(2)(C)(vi) of the ESEA. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who, in the reporting year, were included in the State's computation of its graduation rate as defined in the State's Consolidated Accountability Plan pursuant to Section 1111(b)(2)(C)(vi) of the ESEA. (AY: 10-11, 09-10, 08-09, 07-08)</p>	83.37 %	94.03% 2,708/2,880	+10.66%	Yes
5S1 Placement	<p>Numerator: Number of CTE concentrators who left secondary education and were placed in postsecondary education or advanced training, in the military service, or employment in the second quarter following the program year in which they left secondary education (i.e., unduplicated placement status for CTE concentrators who graduated by June 30, 2007 would be assessed between October 1, 2007 and December 31, 2007). (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who left secondary education during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	69.00 %	69.02% 1,865/2,702	+0.02%	Yes
6S1 Nontraditional Participation	<p>Numerator: Number of CTE participants from underrepresented gender groups who participated in a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE participants who participated in a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	21.00 %	19.74% 775/3,927	-1.26%	Yes
6S2 Nontraditional Completion	<p>Numerator: Number of CTE concentrators from underrepresented gender groups who completed a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who completed a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	14.00 %	12.73% 225/1,767	-1.27%	Yes

Implementation of State Program Improvement Plans

The Department of Career and Technical Education has exceeded the achievement levels for measures, 1S2 – Academic Achievement – Mathematics, 2S1 – Technical Skills, 3S1 – School Completion, 4S1 – Student Graduation Rates, and 6S1 – Nontraditional Participation. The exceptions 1S1 - Academic Achievement - Reading/Language Arts, 5S1 – Student Placement, 6S2 – Nontraditional Completion meet the 90% of the Agreed Upon Level of Performance. Therefore, no improvement plans need to be undertaken for the levels of performance. These deviations are due to relatively small CTE student population in North Dakota where a few students can substantially affect percentages. Since no measures fell below the 90% of Adjusted Performance Level, no State Program Improvement Plan is required for 2009-10 reporting.

NDCTE administration will continue to work with the Department of Public Instruction (DPI) to incorporate the data reported to the Department of Education paying particular attention to those students within CTE programs and working toward continuous improvement in collection and reporting.

NDCTE will continue to be involved in the P-20 Educational Taskforce, a joint effort of the North Dakota University System, Department of Career and Technical Education, Department of Public Instruction, and Education Standards and Practices Board has strengthened CTE's role in alignment and integration of academic standards.

NDCTE has implemented a Math in CTE program to improve the mathematics skills of CTE students. The Math-in-CTE model is a curriculum integration model designed to enhance mathematics that is embedded in career and technical education content. It is a process that provides the opportunity for math and CTE teacher teams to work together in communities of practice and to identify where math intersects with CTE concepts and applications. This process leads to the creation of math-enhanced CTE lessons that follow a seven-element pedagogic framework. Premised on five core principles, the research-based Math-in-CTE model has been shown to have a significant positive impact on student learning in mathematics with no loss to career and technical area content.

During the reporting year of 2009-10, NDCTE was a pilot state for Science in CTE conducted by the National Research Center for Career and Technical Education. Results were inconclusive as to the effect, but NDCTE will continue support of this program to improve mathematics skills in students.

Implementation of Local Program Improvement Plans

There are 37 secondary Perkins Eligible Recipients in the form of Perkins Consortiums (27) or single school districts (10) that receive Carl D. Perkins funding. For each eligible recipient targets were set for the eight performance measures based upon baseline performance in FY2008. These targets were communicated to the Eligible Recipient in the form a Local Final Agreed Upon Performance Level document which was signed and returned as part of the annual plan.

All eligible recipients are notified of their performance results with those falling below standard marked for improvement. Local program improvement plans are required for those deficient in a performance area outlining local steps to be taken or need for state assistance to improve performance. Should the eligible recipient not achieve performance levels for three consecutive reporting periods the state require eligible recipients to direct funds towards areas of deficiency.

Because of the relatively small population of students within North Dakota and within the eligible recipients, large fluctuations in percentages can occur locally from year to year. We would expect that many eligible recipients that missed the 90% adjusted target may achieve that level in subsequent years with others falling below the 90% adjusted target due to the outcomes on assessments of a handful of students, or in a number of cases one student, within the eligible recipients.

Results

Of the 37 eligible recipients for 1S1 – Academic Achievement – Reading/Language Arts, nine did not meet performance at the 90% level with fourteen of those not meeting this level in the prior year. On measure 1S2 – Academic Attainment – Mathematics, seven fell below the 90% level of which eleven were also below this level in the prior year. Combined for 1S1 and 1S2, four schools/consortia failed to meet both levels this year while three schools/consortia did not meet both measures the prior year.

For 2S1 – Technical Skills, five schools did not achieve 90% of adjusted performance in this first year of reporting this measurement. On measure 3S1 – Student Completion, two schools fell below 90% of targets. Measures 4S1 – Student Graduation Rates and 5S1 – Placement all schools achieved the measures.

The Nontraditional measures 6S1 – Participation and 6S2 – Completion demonstrated a large amount of variability. This is the result of the smaller numbers involved and variability from year to year. Because the measure is capped at 25% by definition, the numbers are four times as sensitive to small changes within the measures while being four times less forgiving while applying the 90% adjustment to the level of performance.

Analysis

Trends have started to reveal themselves as more data is collected. Performance on the measures has improved as data and its collection have become more consistent. North Dakota CTE concentrators consists of 92% White, 5% American Indian, and 3% other population groups with the American Indian population concentrated within distinct geographic areas where they are the majority population with small percentages of other races. Race is not relevant by eligible recipient in this analysis as data points are not of sufficient size of greater than ten students (>10). This number was established to comply with FERPA so as not to easily identify individual students.

Looking at other demographics within an eligible recipient that did not achieve the 90% adjusted level of performance, even those containing large school districts, most of the subgroups have either a numerator and/or a denominator that is less than 10 even in the case of trying to analyze gender.

Postsecondary Performance Levels

During program year 2010, six measures are required as indicated in the table below.

Core Indicator	Measurement Definition	Adjusted Level of Performance	Actual Level of Performance	Actual vs. Adjusted Level of Performance	Met 90% of Adjusted Level of Performance
1P1 Technical Skill Attainment	<p>Numerator: Number of CTE concentrators who passed technical skill assessments that are aligned with industry-recognized standards, if available and appropriate, during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who took technical skill assessments during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	86.75 %	84.57% 3,668/4,337	-2.18%	Yes
2P1 Credential, Certificate, or Degree	<p>Numerator: Number of CTE concentrators who received an industry-recognized credential, a certificate, or a degree during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who left postsecondary education during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	44.00 %	44.48% 1,579/3,550	+0.48%	Yes
3P1 Student Retention or Transfer	<p>Numerator: Number of CTE concentrators who remained enrolled in their original postsecondary institution or transferred to another 2- or 4-year postsecondary institution during the reporting year and who were enrolled in postsecondary education in the fall of the previous reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who were enrolled in postsecondary education in the fall of the previous reporting year and who did not earn an industry-recognized credential, a certificate, or degree in the previous reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	65.00 %	76.08% 2,341/3,077	+11.08%	Yes
4P1 Student Placement	<p>Numerator: Number of CTE concentrators who were placed or retained in employment, or placed in military service or apprenticeship programs in the 2nd quarter following the program year in which they left postsecondary education (i.e., unduplicated placement status for CTE concentrators who graduated by June 30, 2007 would be assessed between October 1, 2007 and December 31, 2007). (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who earned a credential, certificate, or degree. (AY: 10-11, 09-10, 08-09, 07-08)</p>	67.03 %	68.91% 1,044/1,515	+1.91%	Yes
5P1 Nontraditional Participation	<p>Numerator: Number of CTE participants from underrepresented gender groups who participated in a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE participants who participated in a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	19.00 %	18.58% 529/2,847	-0.42%	Yes
5P2 Nontraditional Completion	<p>Numerator: Number of CTE concentrators from underrepresented gender groups who completed a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p> <p>Denominator: Number of CTE concentrators who completed a program that leads to employment in nontraditional fields during the reporting year. (AY: 10-11, 09-10, 08-09, 07-08)</p>	5.00 %	8.02% 84/1,048	+3.02%	Yes

Implementation of State Program Improvement Plans

The Department of Career and Technical Education has met and exceeded all the achievement levels for measures, 1P1 – Technical Skills Attainment, 2P1 – Credential, Certificate, or Degree, 3P1 – Student Retention or Transfer 4P1 – Student Placement, 5P1 – Nontraditional Participation, and 5P2 - Nontraditional Completion at the 90% of adjusted performance level. As such, no improvement plans are necessary.

NDCTE will continue to be involved in the P-20 Educational Taskforce, a joint effort of the North Dakota University System, Department of Career and Technical Education, Department of Public Instruction, and Education Standards and Practices Board has strengthened CTE's role in alignment and integration of academic standards.

Attention continues toward continuous improvement in collection and reporting.

Implementation of Local Program Improvement Plans

There are nine postsecondary Perkins Eligible Recipients in the form of Perkins Consortiums (1) and eight colleges that receive Carl D. Perkins funding. For each eligible recipient targets were set for the six performance measures based upon baseline performance in FY2008. Adjustments through negotiation with OVAE occurred this past year on measures 3P1 – Students Retention and Transfer and 5P2 – Nontraditional completion as recent results varied from the initial baseline measurement. With these adjustments and the results on a statewide basis, each eligible recipient performed well enough on each of the measures to meet the measures at the 90% level.

Eligible recipients are notified of their performance results with those falling below standard marked for improvement. A technical assistant is assigned to each eligible recipient who reviews the results with the recipient. Local program improvement plans are required for those deficient in a performance area outlining local steps to be taken or need for state assistance to improve performance. Should the eligible recipient not achieve performance levels for three consecutive reporting periods the state require eligible recipients to direct funds towards areas of deficiency.

Since this is the second year of reporting, and each eligible recipient achieved its individual performance measures, no local improvement plans are required.

Analysis

Because of the relatively small population of students within North Dakota and within the eligible recipients, large fluctuations in percentages can occur locally from year to year. Many population subgroups are less than ten, which inhibits making any statements regarding race or special populations. American Indian populations participate in nontraditional opportunities at a greater rate than their white counterparts do. Placement has improved for the American Indian population.

Tech Prep Grant Award Information

The North Dakota State Board for Career and Technical Education has elected to consolidate Title II funds with the Title I portion of the grant.